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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/624,401	07/22/2003	Jasminka Dizdarevic	C02-0053-000	6809
33190 7590 08/14/2007 CINGULAR WIRELESS LLC 5565 GLENRIDGE CONN., #1725A C/O LINDA GILES, PATENT MANAGER ATLANTA, GA 30342			EXAMINER PHAN, HUY Q	
			ART UNIT 2617	PAPER NUMBER
			MAIL DATE 08/14/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/624,401

Applicant(s)

DIZDAREVIC ET AL.

Examiner

Huy Q. Phan

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 March 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 18-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 18-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 03/15/2006 has been entered.

Response to Amendment

2. This Office Action is in response to Amendment filed on date: 03/15/2007.
Claims 18-28 are still pending.

Response to Arguments

3. Applicant's arguments with respect to new claims 18-28 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the

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applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 18-28 are rejected under 35 U.S.C. 102(e) as being anticipated by Bright (US-2002/0094811).

Regarding claim 18, Bright discloses a method for migrating ("roaming" see [0003]) a communications device from a first wireless communications network ("system 110" see [0005] and [0016]) to a second wireless communications network ("system 112" see [0005] and [0016]), the communications device being assigned a mobile station identification number (MSIN) ("MIN" see [0057]), the method comprising:

transferring a subscriber profile associated with the communications device from the first communications network to the second communications network (fig. 6 and [0057]), and associating the transferred subscriber profile to a subscriber identifier usable by the second communications network ("MIN" see [0057]);

associating the assigned MSIN with a block identifier ("IMSI" see [0051]-[0053] and [0057]) that identifies the communications device as a member of a group that is to be migrated to the second communications network (fig. 5 and [0051]-[0057]);

receiving a registration request from the communications device ("request" see [0051]-[0057] and fig. 5), the registration request including the block identifier and the MSIN ("IMSI" and "MIN" see [0051]-[0057] and fig. 5);

detecting the block identifier ("IMSI" see [0051]-[0053] and [0057]); and

if the registration request is received in the first communications network (fig. 5 and [0051]-[0057]):

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in response to detecting the block identifier ("The Update Location Request message 570 contains the IMSI. In step 522, the GPRS IIF 380 validates whether the GPRS service request is authorized"; see [0053]), associating the MSIN with an interworking and interoperability function (IIF) and routing the registration request to the IIF ("IIF" see [0051]-[0057] and fig. 5).

Regarding claim 19, Bright discloses the method of Claim 18, further comprising:
at the IIF, mapping the MSIN to the subscriber identifier ("mapped" see [0053]), and forwarding ("propagate" see [0007]) the registration request including the subscriber identifier to the second communications network for processing by the second communications network ("GSM protocol registration messages 136 to the GSM HLR 130" see [0005]-[0007]).

Regarding claim 20, Bright discloses the method of Claim 18, further comprising:
if the registration request is received in the second communications network ("GSM protocol registration messages 136 to the GSM HLR 130" see [0005]-[0007]):
in response to detecting the block identifier, mapping the MSIN to the subscriber identifier ("mapped" see [0053]), and processing the registration request including the subscriber identifier in the second communications network ("GSM protocol registration messages 136 to the GSM HLR 130" see [0005]-[0007]).

Regarding claim 21, Bright discloses the method of Claim 18, further comprising provisioning a signaling transfer point ((STP); see [0005]-[0007]) in the first communications network to detect the block identifier ("IMSI" see [0051]-[0053] and [0057]); wherein:

associating the MSIN ("IMSI" and "MIN" see [0051]-[0057] and fig. 5) with an IIF is performed at the signaling transfer point ((STP); see [0005]-[0007]) in the first communications network ([0051]-[0053] and [0057]); and

routing the registration request to the IIF comprises performing global title translation on the MSIN ("translate"; see [0056]-[0064]).

Regarding claim 22, Bright discloses the method of Claim 20, further comprising provisioning a signaling transfer point (STP) in the second communications network to detect the block identifier ((STP); see [0005]-[0007]); wherein:

mapping the MSIN to the subscriber identifier ("mapped" see [0053]) is performed at the signaling transfer point (STP) in the second communications network ("IMSI" and "MIN" see [0051]-[0057] and fig. 5); and

processing the registration request comprises performing global title translation on the subscriber identifier ("translate"; see [0056]-[0064]).

Regarding claim 23, Bright discloses the method of Claim 18, further comprising in response to detecting the block identifier ("IMSI" see [0051]-[0053] and [0057]),

converting the communications device to operate as native to the second communications network ("native" and "GSM"; see fig. 1 and [0005]-[0007]).

Regarding claim 24, Bright discloses the method of Claim 23, wherein the communications is converted over-the-air ("wireless"; see fig. 1 and [0005]-[0007]).

Regarding claim 25, Bright discloses a method for registering a wireless device having a subscription profile ("IMSI" and "MIN" see [0051]-[0057] and fig. 5) that has been migrated ("roaming" see [0003]) from a first communications network ("system 110" see [0005] and [0016]) to a second communications network ("system 112" see [0005] and [0016]), the wireless device being assigned a mobile station identification number (MSIN) ("IMSI" and "MIN" see [0051]-[0057] and fig. 5), the method comprising:

associating the assigned MSIN with a block identifier ("IMSI" see [0051]-[0053] and [0057]), the block identifier indicating that the wireless device is a member of a group has been migrated to the second communications network ("system 112" see [0005] and [0016]);

at a signaling transfer point ((STP); see [0005]-[0007]) in the first communications network, receiving a registration request from the wireless device ("request" see [0051]-[0057] and fig. 5), the registration request including the block identifier ("IMSI" see [0051]-[0053] and [0057]);

in response to detecting the block identifier ("The Update Location Request message 570 contains the IMSI. In step 522, the GPRS IIF 380 validates whether the

GPRS service request is authorized"; see [0053]), associating the MSIN with an interworking and interoperability function (IIF) ("IIF" see [0051]-[0057] and fig. 5);

routing the registration request to the IIF ("propagate" see [0007]); and
at the IIF:

mapping the MSIN to a subscriber identifier having a format that is usable by the second communications network ("mapped" see [0053]); and

forwarding the registration request including the subscriber identifier to the second communications network for processing by the second communications network ("propagate" see [0007]).

Regarding claim 26, Bright discloses a method for registering a wireless device that has been migrated ("roaming" see [0003]) to a Global System for Mobile (GSM) network ("system 112" see [0005] and [0016]), the wireless device being assigned a Mobile Subscriber Identification Number (MSIN) ("IMSI" and "MIN" see [0051]-[0057] and fig. 5), the method comprising:

receiving a registration request at a mobile switching center (MSC) in a visited network selected from the group ("request" see [0051]-[0057] and fig. 5) comprising: a Time Division Multiple Access (TDMA) network and a Code Division Multiple Access (CDMA) network ("system 110" see [0005] and [0016]), the registration request including the MSIN ("IMSI" and "MIN" see [0051]-[0057] and fig. 5);

forwarding the registration request to a Signaling Transfer Point (STP) in the visited network ((STP); see [0005]-[0007]);

at the STP:

detecting that the wireless device has been migrated ("The Update Location Request message 570 contains the IMSI. In step 522, the GPRS IIF 380 validates whether the GPRS service request is authorized"; see [0053]);

in response to detecting that the wireless device has been migrated, analyzing the registration request using global title translation (GTT) ("translate"; see [0056]-[0064]) based on the MSIN to identify a Home Location Register (HLR) in the GSM network containing a subscription profile associated with the subscribed wireless device ("propagate" see [0007]), the subscription profile including an International Mobile Subscriber Identity (IMSI) ("IMSI" and "MIN" see [0051]-[0057] and fig. 5); and routing the registration request to an interworking and interoperability function (IIF) ("IIF" see [0051]-[0057] and fig. 5); and

at the IIF, mapping the MSIN to the IMSI ("mapped" see [0053]) and routing the registration request to the GSM HLR using the IMSI ("IMSI" and "MIN" see [0051]-[0057] and fig. 5).

Regarding claim 27, Bright discloses the method of Claim 26, further comprising: at the IIF, querying the GSM HLR using the IMSI to obtain location information associated with the subscription profile ("querying"; see [0041]-[0045] and [0019]), and routing the location information to the MSC in the visited network ("VLR"; see [0041]-[0045] and [0019]).

Regarding claim 28, Bright discloses the method of Claim 26, wherein the step of detecting that the wireless device has been migrated comprises detecting a block identifier in the registration request ("request" see [0051]-[0057] and fig. 5), the block identifier indicating that the wireless device is a member of a group ("IMSI" and "MIN" see [0051]-[0057] and fig. 5) has been migrated to the GSM network by transferring the subscription profile to the GSM HLR ("propagate" see [0007]).

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a) Jacobson discloses that "IIF 10 is operable to convert an IMSI into a MIN to be used by ANS-41 system 14, and a MIN into an IMSI to be used by GSM system 12" (see specification).


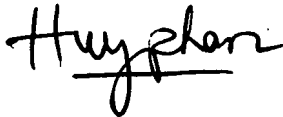
b) Kulkarni discloses that "The Home HLR finds the IMSI corresponding to the roaming terminal based on the MSISDN" (see specification).

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huy Q Phan whose telephone number is 571-272-7924. The examiner can normally be reached on 8AM-6PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, George Eng can be reached on 571-272-7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



GEORGE ENG
SUPERVISORY PATENT EXAMINER

Examiner: Phan, Huy Q.

AU: 2617

Date: 08/09/2007